**HL7 CDS WG Conference Call**

**15 May 2014, 3-4pm US ET**

**Attendees:**
[ ] Tomasz Adamusiak

[ ] Joel Amoussou

[ ] Chad Armstrong

[ ] Jennifer Barrett

[ ] Joe Bormel

[X] Aziz Boxwala

[ ] Thompson Boyd

[X] Daryl Chertcoff

[ ] Sarah Corley

[ ] Clayton Curtis

[ ] Maria Esquela

[ ] Elitsa Evans

[ ] Robert Freimuth

[X] Emory Fry

[X] Marc Hadley

[ ] Lindsey Hoggle

[ ] Vojtech Huser

[ ] Bob Hussey

[ ] Krishna Gazula

[ ] Chris Johnson

[X] Ken Kawamoto

[ ] Rosemary Kennedy

[ ] Lester Keeper

[ ] Mark Kramer

[ ] Thomson Kuhn

[X] Polina Kukhareva

[ ] Eric Larson

[ ] Oliver Lawless

[ ] Victor Lee

[ ] Bill Lord

[ ] Stacey Marovich

[ ] Jason Matthews

[ ] Christy May

[ ] Jim May

[ ] Rob McClure

[ ] Clem McDonald

[X] Chris Melo

[ ] William Michaels

[ ] Chris Millet

[ ] Maiko Minami

[ ] Bernadette Minton

[ ] Mark Monterastelli

[ ] Alicia Morton

[X] Claude Nanjo

[ ] Lisa Nelson

[ ] Jamie Parker

[ ] Anne Pollock

[ ] Divya Raghavachari

[ ] Stan Rankins

[X] Bryn Rhodes

[ ] Mark Roche

[ ] Virginia Riehl

[X] Martin Rosner

[ ] Julie Scherer

[ ] Atanu Sen

[ ] Mark Shafarman

[ ] David Shields

[ ] Julia Skapik

[X] Davide Sottara

[X] Howard Strasberg

[ ] Rita Torkzadeh

[ ] Serafina Versaggi

[ ] Phillip Warner

[X] Ben West

[ ] Missy Willoughby

[ ] Julia Xu

[ ] Cathy Welsh

[ ] Su-Hsiu Wu

[ ] Shirin Zaidi

**Minutes:**

- Review and vote on CDS Knowledge Artifact Specification DSTU Update Release 1.2

- Bryn went through changes to the documents 2 weeks ago at HL7 CDS WG call. Went out for 2 week peer review, no comments requiring revision received.

- Bryn moves to approve

 - Aziz seconds

 - Approved 13 affirmative, 0 negative, 0 abstentions

- Discussion of QI Logical Model

 - Discussion/recap of CQF all-hands discussion

 - Discussion on general principles and direction

- Where there are discrepancies, attempt to align with/use FHIR where possible, and diverge/create new profiles only with clear, documented rationale

 - Issues and approach

 - FHIR does not allow in-line expression of nested Resources

 e.g., Medication is parallel to a Prescription that contains the Medication

 Represented as

 Prescription

 Ref. to Medication A

 Medication A

 Aspirin

 Rather than as

 Prescription

 Aspirin

* Approach: Discuss with core FHIR team

- Transformation

 - Deterministic transformation is okay

 1:1 equivalence is ideal

 If require complex business logic, not as ideal but okay

 - Issue is when deterministic transformation is not possible

- Whether to make it easier to write rules or to use rules

 - Example

 - DeviceUse in QIDAM (e.g., use of wheelchair, insulin pump)

 - In EHR/FHIR, this would be an Observation or Procedure

 - Discussion

- Could we use a “library function” approach? Yes, perhaps pursue this further. If transformation requires use of terminology, this would be undesirable except when used as enumeration (e.g., negation indicators).

- If we shift the burden to measure authors, then measure authors may do this differently too

 - Proposal for behavioral model

- In Logical Model, use of this approach along with interfaces could address a variety of modeling issues that we have been working to resolve

- Claude will provide update on this shortly

- Strategy

- Start with FHIR and its philosophical approach to data (focus on representing data as it exists in the EHR)

 - Focus first and primarily on data that is represented in FHIR

 - Be very deliberate on what we seek to add in or profile

 - Use QI Logical Model approach to create façade on FHIR

- Do not allow deviation from existing FHIR approaches that prevent deterministic mapping unless clearly justified and documented

- Include deterministic transformations

- Try to limit creation of new profiles (which can be a form of divergence)

 - Tactics

- Roles and responsibilities for moving this forward quickly to have concrete examples and draft specifications for review and piloting

 - QIDAM coordinator/owner

 - Aziz

 - Logical Model coordinator/owner

 - Maintains primary copy of model and obtains required input

 - Includes harmonization with FHIR

 - Jason Matthews, + Claude (WG participation/review), + Aziz/Mark

- Owner of process to verify whether model is suitable for CDS, including necessary tooling

 - Claude, Bryn, + others

- Owner of process to verify whether model is suitable for CQM, including necessary tooling

 - Marc (potentially transfer to Chris Moesel)

* + Mark Kramer to discuss on QI Data Model Wed call potentially approach forward

- **Next call:**

* 5/22 (Th) 3pm ET

Tentative Agenda:

* QI Data Model Discussion